9800360

No.



THE UNIVERD STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Anited Grain Growers Limited and Agripro Seeds, Inc.

DECEMS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN RODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY YEARS SEED OF THIS VARIETY (I) SHALL BE SOLD BY VARIETY NAME ONLY AS A PECETIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF TS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEO.)

WHEAT, COMMON

'SAXON'

In Testimonn Marcrot, I have hereunto set my hand and caused the seal of the Hunt Hariety Frotestion Pities to be affixed at the City of Washington, D.C. this thirty-first day of Warch, in the year of our Lord two thousand.

Allast:

Am marie

Commissioner Plant Variaty Protection C

Plant Variety Protection Office Agricultural Marketing Service ry of Agriculturo

U.S. DEPARTMENT OF AGRICULTURE		The following statements are made in accordan	sce with the privacy Act of
AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION - PLANT VARIETY PROTECTIO	N OFFICE	1974 (5 U.S.C. 552a)	
, SCIENCE DIVISION-LEAVY VARIETY INCHECTION	NOFFICE	Application is required in order to determine ij	a plant variety protection
APPLICATION FOR PLANT VARIETY PROTECTIO	N CERTIFICATE	certificate is to be issued (7 U.S.C. 2421) Infor	
(Instructions and information collection burden statement of	on reverse)	until certificate is issued (7 U.S.C. 2426).	
NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR	3. VARIETY NAME
United Grain Growers Limited and Agripro Seeds,	Inc.	EXPERIMENTAL NUMBER N93-3026	SAXON
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)	****	5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY
UGG		Canada=204-944-5496	PVPO NUMBER
Box 6600, 201 Portage Ave.	•	USA=913-384-0208	9803360
Winnipeg, MB, Canada R3C3A7 OR		`	
		Fax Canada=204-944-5792	p DATE
6700 Antioch, P.O. 2962		•	
Shawnee Mission, Kansas 66201		Fax USA=913-384-0208	i 8-8-98
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Boto		G FILING AND EXAMINATION FEE:
		,	
Triticum aestivum	Gramineae		1 2450
9. CROP KIND NAME (common name)			S DATE
Hard Red Spring Wheat			T
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGA	ANIZATION (cornoration no	urtnership association etc.) (common name)	C
	inibilition (corporation, p.	intersup, association, etc.) (common name)	I CERTIFICATION FEB
Corporation			E SO
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	D DATE
Delaware		1933	FLQOM
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, T	O SERVE IN THIS APPLIC	ATION AND RECEIVE ALL PAPERS	14. TELEPHONE (include area code)
.,,		Mr. Robert Bruns	970-532-3721 USA
Neil Arbuckle A	ND	806 N. Second Street	1
Box 6600, 201 Portage Ave.		PO Box 30	15. FAX (include area code)
Winnipeg, MB, Canada R3C3A7		Berthoud, Colorado 80513	
204-944-5496		970-532-3721	970-532-2035 USA
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (for	•	Service Control of the Control of th	
a. X Exhibit A. Origin and Breeding History of the Variet	ży –	War and the second	
b. X Exhibit B. Statement of Distinctness	.*		
c. X Exhibit C. Objective Description of the Variety		disease.	
d. X Exhibit D. Additional Description of the Variety			
e. X Exhibit E. Statement of the Basis of the Applicant's C	•		
f. X Voucher Sample (2,500 viable untreated seeds, or, for tuber j	-		iblic repository)
g. X Filing and Examination Fee (\$2,450), made payable (,	
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOI X YES (if "yes", answer items 18 and 19 below)	D BY VARIETY NAME ON	NLY, AS A CLASS OF CERTIFIED SEED? (See Sect NO (if 'no", go to item 20)	ion 83(a) of the Plant Variety Protection Act)
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIM	ITED AS TO NUMBER O	19. IF 'YES' TO ITEM 18, WHICH CLASSES OF P	RODUCTION BEYOND BREEDERS SEED?
GENERATIONS? X YES	NO	X FOUNDATION X REGISTER	ED X CERTIFIED
			
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BE			OR OTHER COUNTRIES?
YES (iF "YES", give names of countries and dates)	X	NO	
21. The applicant(s) declare that a viable sample of basic seed of the variety will be fi			th such regulations as may be
applicable, or for a tuber propagated variety a tissue culture will be deposited in a			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tu Section 41, and is entitled to protection under the provisions of Section 42 of the F		(s) that the variety is new, distinct, uniform, and stable	e as required in
Applicant(s) is(are) informed that false representation herein can jeopardize protect			
SIGNATURE OF APPLICANT (Owner(s)) /		SIGNATURE OF APPLICANT (Owner(s	3})
1. V W. Unuch Va		1/1- K	**
NAME (Please print or type)		NAME (Please print or type)	- '
Neil Arbuckle		Rob Bruns	
CAPACITY OR TITLE DA	TE .	CAPACITY OR TITLE	DATE G.
Proven Seed Manager	8/4/98	GM - Wheat Research	BATE 8/4/98

9800360

Exhibit A. Origin and Breeding History of Saxon

Saxon originated from the cross "Glenlea/N87-0002" which was made in Berthoud, Colorado during the fall crossing session of 1989. The genetic background of N87-0002 is made up of Univ. of Minnesota-ARS experimentals and a Pioneer variety named 2369. The pedigree of N87-0002 is "MN74103/MN72149//MN70121/Kitt/3/2369". The "MN" pedigrees are as follows: MN74103 = MN69124/3/lovrin#11//Era/Tobari 66; MN72149 = Tezanos Pintos Precoz//IRN46/Ciano 67/3/II-64-27; MN70121 = Unknown.

Single heads were selected from the F2 population of this cross at the United Grain Growers (UGG) Research Farm at Rosebank, Manitoba during the 1991 growing season. Selections were based on height and leaf rust resistance. Single seed descent was used to advance these selections through the F3 and F4 generations in the Berthoud greenhouse during the fall and winter of 1991-92. F5 headrows of these selections were planted at Rosebank in 1992 where they were further screened for height, straw strength, foliar diseases, leaf rust and stem rust. The selected headrows were bulk harvested and increased in an off-season nursery in New Zealand during the winter of 1992-93. The experimental designation "N93-3026" was assigned to one of these selections prior to yield evaluation, which began in 1993. N93-3026 was tested in UGG trial nurseries in the black soil zones of Manitoba and Saskatchewan in 1993 and 1994. It was tested in AgriPro nurseries in Colorado, North Dakota and Minnesota in 1996.

In 1994, 100 headrows were grown in Rosebank, Manitoba. Ninety-five headrows with uniform appearance were harvested and planted as an initial Breeders Seed increase of .1 acre at Berthoud, CO in 1995. In 1997, a six acre Breeders Seed increase was grown in Berthoud, Colorado, which produced 2,200 pounds of seed.

Saxon has been uniform and stable since 1995. About 0.8% of the plants were rogued from the initial Breeder's Seed increase in 1995. Approximately 55% of the rogued variant plants were taller height wheat plants (5 to 15 cm.), 3% were blue-green plant color at boot stage and 33% were awnletted wheat plants. Up to 1% variant plants may be encountered in subsequent generations.

Exhibit B. Statement of Distinctness

Saxon is most similar to the hard red spring wheat 'Nordic'. However, it can be easily distinguished by the following morphological characteristics:

- Saxon has a recurved flag leaf at boot stage (Berthoud, Colorado 1995, 1996 and 1997). Nordic has an erect flag leaf at boot stage (Plant Variety Protection Objective Description #9600115 also Berthoud, Colorado 1995, 1996 and 1997).).
- Saxon has a green plant color at boot stage (Berthoud, Colorado 1995, 1996, and 1997). Nordic has a blue-green plant color at boot stage (Berthoud, Colorado 1995, 1996, and 1997).
- Saxon has a lax head density (Berthoud, Colorado 1995, 1996, and 1997). Nordic has a middense head density (Berthoud, Colorado 1995, 1996 and 1997).
- Saxon has angular cheeks on the seed (Berthoud, Colorado 1995, 1996 and 1997). Nordic has rounded cheeks on the seed (Berthoud, Colorado 1995, 1996 and 1997).

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION

EXHIBIT C (Wheat)

BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (Triticum SDD.)

, <u> </u>	HEAI (Iriticum Spp.)		
NAME OF APPLICANT(S)		FOR OFFICIAL USE ONLY	0000
United Grian Growers Limited and Agripro Seeds, Inc.	PVPO NUMBER	1000 1000	
ADDRESS (Street and No. or R.F.D. No., City, State, and Z	ip Code)	NAME OR EXPERIMENTAL DESIGNATION SAXON	
Place the appropriate number that describes the varietal character of this Place a zero in the first box when number is either 99 or less or 9 or less minimum of 100 plants. Comparative data should be determined from v standard may be used to determine plant colors; designate system used. Please answer all questions for your variety; lack of response may delay	respectively. Data for quantitative plant ch varieties entered in the same trial. Royal Ho	aracters should be based on a orticultural Society or any recognized	,
1. KIND:	•		
1 1=Common 2=Durum 3=Club 4=	=Other (specify)		
2. VERNALIZATION:			
1 1=Spring 2=Winter 3=Other (specify)			
3. COLEOPTILE ANTHOCYANIN:		•	
1 1=Absent 2=Present			
4. JUVENILE PLANT GROWTH:			
3 1=Prostrate 2=Semi-erect 3=Erect			
5. PLANT COLOR (boot stage):			
I = Yellow-Green 2 = Green 3 = Blue-	Green		
6. FLAG LEAF (boot stage):			
2 1 = Erect 2 = Recurved			
2 1 = Not Twisted 2 = Twisted	%us.		
7. EAR EMERGENCE:	-76 MW-42 (1) (1)		
0 2 Number of Days Earlier Than	Glenlea	*	
0 0 Number of Days Later Than	ROMENTS STATE	*	
8. ANTHER COLOR:			
1 = YELLOW 2 = PURPLE			
9. PLANT HEIGHT (from soil to top of head, excluding awa	ns):		
0 0 cm Taller Than		*	
1 6 cm Shorter Than	Glenlea	*	

^{*} Relative to a PVPO-Apprved Commercial Variety Grown in the Same Trial

Exhibit C (Wheat) Page 2

	STEM:	
- T	A. ANTHOCYANIN	
1	l= Absent 2=Present	
	B. WAXY BLOOM	
2	1=Absent 2=Present	
	C. HAIRINESS (last internode of rachis)	
2	1=Absent 2=Present	
	D. INTERNODE (specify number)	
1	1=Hollow 2=Semi-solid 3=Solid	
	E. PEDUNCLE	
1	1=Erect 2=Recurved	
1	6 cm Length	
<u> </u>		
	HEAD (at Maturity): A. DENSITY	
1	1=Lax 2=Middense 3= Dense	
ш	B. SHAPE	
	I = Tapering 2= Strap 3 = Clavate 4 = Other (specify)	
	C. CURVATURE	
	1 = Erect 2 = Inclined 3 = Recurved	
	D. AWNEDNESS	
4	1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned	
	GLUMES (at Maturity): A. COLOR	
<u> </u>		
1	1 = White $2 = Tan$ $3 = Other(specify)$	
L		
L	B. SHOULDER	·
2	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate	·
2	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK	
2 3	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate	
3	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH	
3 3	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)	
3 3 E	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH	
3 3 E	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)	
3 E 2 I 3 I 3 I 5 I 5 I 5 I 5 I 5 I 5 I 5 I 5	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED:	
3 E 2 I 3 I 3 I 5 I 5 I 5 I 5 I 5 I 5 I 5 I 5	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE	
3 III III III III III III III III III I	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical	
3 III III III III III III III III III I	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK	
3 B B B B B B B B B B B B B B B B B B B	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK 1=Rounded 2=Angular	
3 B B B B B B B B B B B B B B B B B B B	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK 1=Rounded 2=Angular C. BRUSH	
3 B B B B B B B B B B B B B B B B B B B	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK 1 = Rounded 2=Angular C. BRUSH 1 = Short 2=Medium 3=Long	
3 B B C C C C C C C C C C C C C C C C C	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical 3. CHEEK 1 = Rounded 2 = Angular C. BRUSH 1 = Short 2 = Medium 3 = Long 1 = Not Collared 2 = Collared	
3 B 2 C 2 D D D D D D D D D D D D D D D D D	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK 1=Rounded 2=Angular C. BRUSH 1=Short 2=Medium 3=Long 1 = Not Collared 2 = Collared D. CREASE	
3 B B C C C C C C C C C C C C C C C C C	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK 1 = Rounded 2 = Angular C. BRUSH 1 = Short 2 = Medium 3 = Long 1 = Not Collared 2 = Collared D. CREASE 1 = Width 60% or less of Kernel 2	
3 B 2 C 2 D D D D D D D D D D D D D D D D D	B. SHOULDER 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate C. BEAK 1 = Obtuse 2 = Acute 3 = Acuminate D. LENGTH 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm) E. WIDTH 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm) SEED: A. SHAPE 1 = Ovate 2 = Oval 3 = Elliptical B. CHEEK 1=Rounded 2=Angular C. BRUSH 1=Short 2=Medium 3=Long 1 = Not Collared 2 = Collared D. CREASE	

	ED: (continued) COLOR		
3	1 = White $2 = $ Amber $3 = $ Red	4 = Other (specification 4)	ecify)
F.	TEXTURE		
2	1=Hard 2=Soft		
G.	PHENOL REACTION (see instructions):		
0	1 = Ivory $2 = Fawn$ $3 = Light Brown$	vn 4 = Dar	rk Brown 5 = Black
14. DISI PLEASE IN	EASE: (0=Not Tested; 1=Susceptible; NDICATE THE SPECIFIC RACE OR STRAIN TESTED	2=Resistant;	3=Intermediate; 4=Tolerant)
3	Stem Rust (Puccinia graminis f. sp. tritici) Field races	3	Leaf Rust (Puccinia recondita f. sp. tritici) Field races
0	Stripe Rust (Puccinia striiformis)	0	Loose Smut (Ustilago tritici)
0	Tan Spot (Pyrenophora tritici-repentis)	0	Flag Smut (Urocystis agropyri)
0	Halo Spot (Selenophoma donacis)	0	Common Bunt (Tilletia tritici or T. laevis)
0	Septoria nodorum (Glume Blotch)	0	Dwarf Bunt (Tilletia controversa)
0	Septoria avenae (Speckled Leaf Disease)	0	Karnal Bunt (Tilletia indica)
0	Septoria tritici (Speckled Leaf Blotch)	0	Powdery Mildew (Erysiphe graminis f. sp. tritici)
0	Scab (Fusarium spp.)	0	Snow Molds
0	Black Point (Kernel Smudge)	0	Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.
0	Barley Yellow Dwarf Virus (BYDV)	0	Rhizoctonia Root Rot (Rhizoctonia solani)
0	Soilborne Mosaic Virus (SBMV)	0	Black Chaff (Xanthomonas campestris pv. translucens)
0	Wheat Yellow (Spindle Streak) Mosaic Virus	0	Bacterial Leaf Blight (Pseudomonas syringae pv. syringae)
0	Wheat Streak Mosaic Virus (WSMV)		Other (specify)
	Other (specify)		Other (specify)
	Other (specify)		Other (specify)
	Other (specify)		Other (specify)

	INSE ASE SE		(0=Not Tested; OTYPE (where neede		2=Resi	stant;	3=Intermediate;	4=Tolerant)		
0]		Fly (Mayetiola d				Other (specify	·)		
0]	Stem Sa	nwfly (Cephus sp	p.)			Other (specify)	_	
0]	Cereal I	Leaf Beetle (Ouler	ma melanopa)			Other (specify)	_	
0		Russian	Aphid (Diuraph	is noxia)			Other (specify)		
0		Greenbu	ıg (Schizaphis gra	uminum)			Other (specify)		
0		Aphids							_	
16.	ADD	ITIONAI	LINFORMATION	ON ANY ITEM A	BOVE, (OR GEN	IERAL COMMEN	TS:		-

LOD HEL

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Exhibit D. Additional Description of Saxon

Saxon is a hard red spring wheat bred and developed by Agripro Seeds, Inc. Saxon is a tall semidwarf with medium maturity, good test weight and very good straw strength. Saxon is moderately resistant to the prevalent races of leaf rust and stem rust. It has intermediate levels of protein and special quality characteristics, which would make it valuable for contract production.

Juvenile growth habit is erect. Seedling anthocyanin is present. Plant color at boot stage is green. Auricle anthocyanin and auricle hairs are present. Flag leaf at boot stage is recurved and twisted. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is tapering and awned. Glumes are glabrous, medium in width and long in length with oblique shoulders and acuminate beaks. Seed shape is elliptical. Brush hairs are medium in size. Seed crease depth is middeep and width is midwide. Seed cheeks are angular.

Saxon is well adapted to the irrigated acres of Colorado.

JOS - VINC 15 ETTER

1120

ACRUPRO WHEAT HARD RED SPRING WHEAT SAXON

YEAR: 1997

	8		
	OVER ALL	30000	8
:	B E		2.8
	R I IX	332243	2.8
	# 1 # 1 #	646666	3.5
. ALL	6 4	220040	4.2
BAKTING QUALITIY	LOAF CC	1200 1155 1090 950 1140 885	1070
BAKTIN	ρ4	207136	0.9
74.°	X Hill	8.00 12.10 10.90 7.80 7.80 5.75	8.18
	ra ra	43222	3.0
	ABS /%	66.0 64.0 61.0 67.0 68.0	65.7
	24	ധധയ4സസ	4.8
	701 I	447 1065 1509 1007 847 1418	1049
	MK HT N.U.	! _	5.7
	XX TIME ————————————————————————————————————	SAXON 3.50 5.00 4.50 5.50 5.50	4.38
LITY	ASA	.472 .452 .512 .520 .488	. 18 5
T QUA	P4	വധവവധന പ്	4.0
FLOUR/WHEAT	FLR YLD %	69.6 71.9 70.4 70.4 72.3 71.3	/1.0 4.
FLOX	留	28 28 28 28 28 28 28 28 28 28 28 28 28 2	ಶ
	~	400040	0.0
	FIR PROT 14%mb	25.11.11.15.15.15.15.15.15.15.15.15.15.15	7
	WHT PROT 14%mb	15.2 12.3 12.3 14.0 15.1 13.0	
	TEST VT — Ib/Bu	0.000000	}
	YEAR LOC	98 88 88 88 88 88 88 88 88 88 88 88 88 8	

AGRIPRO DATA SUMMARY - BERTHOUD, COLORADO 1996-97

	REACTION	RMR MRMS
HEIGHT ¹	1-9	9 4
HEADING 1	1-9	'V (P)
T. WT - LBS/BU.	97	56.7 56.2
T. WT-	. 96	60.3 58.6
YIELD - BU/A	97	91
YIELD	96	61
	VARIETY	SAXON OSLO

¹Ratings given to heading (1=earliest) and height (1=short).

TEL HODGOE EGGAEET. Include form hander and date on an reproductions.	FORM APPROVED - O	MB NO. 0581-005
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in accordance with 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act	the Privacy Act of (PRA) of 1995 .
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plan certificate is to be issued (7 U.S.C. 2421). Information until certificate is issued (7 U.S.C. 2426).	t variety protection is held confidential
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION 3. VARIETY NAME	
	OR EXPERIMENTAL NUMBER	
United Grain Growers Limited and	N93-3026 SAXON	
Agripro Seeds, Inc.		· ·
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code) 6. FAX (include area	code)
UGG=Box 6600, 201 Portage Ave. Winnipeg, MB, Canada R3C3A7 Agripro=6700 Antioch, P.O. Box 2962 Shawnee Mission, Kansas 66201	UGG=204-944-5496 AGripro=913-384-0208 7. PVPO NUMBER 3803360	· .
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate ble (applicants)	ock. If no, please explain.	NO
	·	
•		
9. Is the applicant (individual or company) a U.S. national or U.S. based company If no, give name of country <u>Both U.S.A.</u> and Canada	YES	NO
10. Is the applicant the original owner? YES NO If no, please ans	wer the following:	
a. If original rights to variety were owned by individual(s), is (are) th YES NO If no, give name of country	ne original owner(s) a U.S. national(s)?	ente. Se two
b. If original rights to variety were owned by a company, is the orig	inal owner(s) a U.S. hased company?	
YES NO If no, give name of country		
11. Additional explanation on ownership (If needed, use reverse for extra space):		
Saxon is a hard red spring wheat bred and Growers Limited and Agripro Seeds, Inc.	owned jointly by United Gr	ain
PLEASE NOTE:		
Plant variety protection can be afforded only to owners (not licensees) who meet or	ne of the following criteria:	
If the rights to the variety are owned by the original breeder, that person must l of a country which affords similar protection to nationals of the U.S. for the san	be a U.S. national, national of a UPOV member co	untry, or national
2. If the rights to the variety are owned by the company which employed the origin nationals of a UPOV member country, or owned by nationals of a country which genus and species.	nai breeder(s), the company must be U.S. based, o	wned by . for the same
3. If the applicant is an owner who is not the original owner, both the original own	er and the applicant must meet one of the above of	criteria.
The original breeder/owner may be the individual or company who directed final bre for definition.	eding. See Section 41(a)(2) of the Plant Variety P	rotection Act
The original breeder/owner may be the individual or company who directed final bre	spond to a collection of information unless it disp	Protection Act

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Exhibit E. Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was bred and is owned jointly by United Grain Growers Limited of Manitoba, Canada and Agripro Seeds, Inc., Shawnee Mission, Kansas.

JAS LARREST

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